

# Product Datasheet

## Characteristic

# A9D20620

Residual current breaker with overcurrent protection (RCBO), Acti9 DPN Vigi K, 1P+N, 20A, C curve, 6000A, AC type, 30mA



## Main

Range	Acti9
Product name	Acti9 DPN Vigi K
product or component type	Residual current breaker with overcurrent protection (RCBO)
Device short name	DPN Vigi K
Device application	Distribution
poles description	1P + N
Number of protected poles	1
Neutral position	Left
[In] rated current	20 A
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	C
Earth-leakage sensitivity	30 mA
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type AC
Breaking capacity	6000 A Icn at 220...240 V AC 50 Hz conforming to EN/IEC 61009-2-1
Quality labels	VDE

## Complementary

Device location in system	Outgoer
Network frequency	50 Hz
[Ue] rated operational voltage	220...240 V AC 50 Hz
Magnetic tripping limit	5...10 x In
Residual current tripping technology	Voltage independent
[Ics] rated service breaking capacity	6000 A 100 % x Icn at 220...240 V AC 50 Hz conforming to EN/IEC 61009-2-1
Rated breaking and making capacity	I <sub>dm</sub> 4500 A at 220...240 V AC 50 Hz conforming to EN/IEC 61009-2-1
Limitation class	3 conforming to EN/IEC 61009-2-1
[Ui] rated insulation voltage	400 V AC 50 Hz
[Uimp] rated impulse withstand voltage	4 kV

Contact position indicator	Yes
Control type	Toggle
local signalling	ON, OFF, fault trip
mounting mode	Clip-on
mounting support	DIN rail
Connection pitch	9 mm between phase and neutral
9 mm pitches	4
Height	81 mm
Width	36 mm
Depth	72 mm
net weight	125 g
Colour	White (RAL 9003)
Mechanical durability	20000 cycles
Electrical durability	20000 cycles
Connections - terminals	Tunnel type terminal phase 1...25 mm <sup>2</sup> rigid Tunnel type terminal neutral 1...16 mm <sup>2</sup> rigid Tunnel type terminal phase 1...16 mm <sup>2</sup> flexible Tunnel type terminal neutral 1...10 mm <sup>2</sup> flexible
Wire stripping length	15 mm for top or bottom connection
Tightening torque	2 N.m top or bottom
Earth-leakage protection	Integrated

## Environment

Standards	EN/IEC 61009-2-1
IP degree of protection	IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529
Pollution degree	3
Overvoltage category	III conforming to IEC 60364
Electromagnetic compatibility	8/20 µs impulse withstand, 250 A conforming to EN/IEC 61009-2-1
Relative humidity	95 % at 55 °C
Ambient air temperature for operation	-5...40 °C
Ambient air temperature for storage	-30...70 °C

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.000 cm
Package 1 Width	8.300 cm
Package 1 Length	10.000 cm
Package 1 Weight	220.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	54
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	12.331 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	Product out of China RoHS scope. Substance declaration for your information
RoHS exemption information	Yes

Environmental Disclosure	ENVPEP120401EN
Circularity Profile	N/A
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Halogen content performance	Halogen free plastic parts product